

INDEX TO VOLUME VIII.

OF

BARNARD'S AMERICAN JOURNAL OF EDUCATION.

- ASCEDEARIANS**, 384.
Adult mutual education, Holbrook's plan, 230.
 Claxton's labors for, 233.
Æschylus, quoted, 14, 43.
Agricultural and literary instruction combined, 568.
Agricultural and common schools, 569, 573.
Agriculture, schools of, Derby, Conn., 329, 348.
 Bavaria, 511.
 Belgium, 529.
 France, 545.
 Ireland, 567.
 Wirttemberg, 564.
Agronomic institute, Versailles, 548.
Akroyd, E., on improving factory population, 305.
Alfort, veterinary school at, 531.
Algebra, and geometry, 169.
 and arithmetic, 172.
American Institute of Instruction, origin of, 233, 406.
 resolutions on death of J. Holbrook, 238.
American, (Boston,) *Journal of Education*, 230.
Ammon, von, quoted, 34, 53, 68.
Analysis, 665, 669.
Ann Arbor, plans of school-house at, 91.
Annaberg, military orphan house at, 115.
Antoninus Pius, quoted, 13.
Aphorisms, educational, 7.
Apparatus, for natural sciences, 198.
 arithmetical, 183.
 Holbrook's, 241, 344.
Apprentice schools, 590.
Architecture, instruction in, 665, 673.
Architecture, rural, course of, 554.
Aretinus, quoted, 63.
Aristotle, quoted, 40, 41, 43, 74, 75, 76, 79.
 Lycæum of, 249.
Arithmetical, Kaumer on teaching, 170.
Feurbach's, 170.
 multiplication table in, 171.
 Pestalozzi's method, 172, 173, 179.
 and algebra, 172.
 systems of notation, 176.
 mental and written, 177.
 stimulated study of, 179.
 use of counters in, 182.
 processes in, 183.
 apparatus for, 183.
 German methods in, 385, 430, 451, 453, 459.
 Dutch methods in, 358.
Arnauld, geometry by, 158.
Arndt, 307, 348.
Arnold, Dr. Thomas, 280.
Art, and science, how connected, 134.
 defined, 216.
 gifts for, should be developed, 227.
 popular associations for, 241.
Artis, conservatory of, in France, 548.
 schools of, 570, 585.
Astronomy, growth of, 195.
Athenæums, Belgium, 587.
Attendance, law as to, Germany, 358.
 Prussia, 442.
Augustine, quoted, 51.
Aurelius Antoninus, quoted, 44.

Bache, A. D., Report on Education in Europe, 435, 437, 444, 599.
Bacon, Lord, quoted, 47, 137, 147, 185, 216, 225.
Baptismal regeneration, 218.

Barnes, D. H., 340.
Basedow, quoted, 78.
Bauer, E., quoted, 33, 57, 58.
Bavaria, Turning in, 267.
 public instruction in, 491.
 secondary schools, 491.
 high schools for girls, 491.
 " " " boys, 494.
 classical schools, 494.
 real schools, 508.
 technical schools, 510.
 rescue and orphan schools, 519.
 deaf, dumb and blind, 521.
Beday, quoted, 63.
Belgium, public instruction in, 521.
 history, 581.
 state and voluntary system in, 583.
 primary schools, 586.
 secondary schools, 587.
 superior schools, 588.
 special and industrial schools, 589.
 normal, 591.
Bell, in school discipline, 617.
Benefactors, educational, 522.
 See Educational Benefactions.
Berea, Ohio, Lyceum village at, 235.
Berlin, Turning at, 198.
 schools of, 440.
Bhagavad-Gita, quoted, 10.
Bible, quoted, 9, 65, 69, 227.
 study of history should begin with, 104.
 in Prussian schools, 393, 435.
Bigelow, D. H., on C. S. Hovey, 95.
Bingham, Caleb, 89.
Biography, of C. E. Hovey, 94.
 J. Holbrook, 229.
 N. Guilford, 229.
 T. Claxton, 253.
 Dr. J. Griscom, 325.
 T. Sherwin, 461.
 W. H. Wells, 529.
Biography and history, 109.
Blackboard, 363.
Boehme, J., quoted, 35.
Bonaparte, N., quoted, 48.
Book for Mothers, Pestalozzi's, extracts, 212.
Books of reference, 315.
Boston, Mechanic's Lyceum, 234.
 Lowell lectures, 341.
 Society for Diffusion of Useful Knowledge, 242.
 Claxton's labors for scientific education in, 255.
 Mechanics' Institution, 255.
 English High School, 463.
 Educational benefactions in, 522.
Botany, growth of department, 125.
 apparatus for, 138.
 how to begin, 132.
 instruction in, 146.
 Holbrook's instructions in, 240.
Bourne, V., 471.
Bouterwek, quoted, 17.
Boxford, C. G. Hovey at, 95.
Breslau, Turning at, 306.
British Museum, 314.
Bruma, Giordano, quoted, 16.
Buchner, C., quoted, 70.
Burgher school, defined, 414, 434, 457.
 in Berlin, 449.

- Burgher school, in Halle, 434
 Potsdam, 457.
 Holland, 608.
- Cambridge, eminence of successful students at, 313.
 Campe, 356.
 Candalle, count de, 161.
 Catholic church and schools, 349.
 Chambers, H., on schools of Holland, 607.
 Charity, should be well considered, 527.
 " not be too much limited, 528.
- Chemistry, 665, 670, 671.
 Chicago, plan of Newberry Public School-house, 515.
 Children, a blessing, 68.
 training of, 69, 75.
 stimulating to study, 179.
 senses of, culture of, 308.
See Home Education; Parents.
- Christianity. *See* Religion; Religious education, and popular schools, 348.
 Christ's Hospital School, London, 270
 Chrysippus, quoted, 75.
 Cicero, quoted, 13, 14, 43, 79.
 Cincinnati, N. Guilford and schools of, 291.
 City life impairs senses, &c., 143.
 Class, teachers, 505.
 Classes, division into, 625.
 Classical instruction, 494.
 Classification in Prussian schools, 392, 497.
 Clausen, A. M., on plans of instruction, 632.
 Claxton, T., memoir of, 453.
 Code, School, 622.
 Coe, Rev. T., and agricultural school, 229, 248.
 Colet, dean, 269.
 Collis J. D., on English endowed schools, 257.
 Colman, on European agriculture, 550, 553, 573.
 Comenius, 351.
 quoted, 45, 76, 78.
 Commercial schools, 520, 671, 673.
 Common things, instruction in, 390, 393.
 Composition, 578, 587.
 Compulsory school attendance, 358.
 Concours, 528.
 Confectionery, 185.
 Conference of teachers, Belgium, 592.
 Confucius, quoted, 10, 11.
 Conical blocks in arithmetic, 613.
 Conscience, 10, 11.
 Conservatory of arts and trades, Paris, 549.
 Convolutions in teaching, 467.
 Coverts, No. XX., 3.
 " No. XXI., 321.
 Contributions to correction of ideas on edue., quoted, 17.
 Convent schools, of middle ages, 290, 494.
 Conversation exercises, 372, 383, 435.
 Cornelia, (mother of Græchi,) 65.
 Counters in arithmetic, 122.
 Course of study, 694.
 Elton, in 1500, 265.
 Norway schools, 298.
 German, children from 5 to 8, 372, 382.
 " " 8 to 10, 374.
 " " 10 to 12, 377.
 " " 12 to 14, 379.
 " burgher schools, 449, 455, 457, 458.
 " gymnasia, 500.
- Cousin, V., quoted, 508.
 Cowper, W., memoir, 409.
 Tirocinium, 472.
 Discipline, 489.
 on public school-life, 476.
- Crates, quoted, 39.
 Crime, juvenile, 357.
 Crying of children, 79, 80.
 Crystals, study of, 140.
 and geometry, 155, 166, 168.
 Kaumer's book on, 167, 168.
 Curtman, on discipline, 617.
 Cutler, E., 291.
 Cuvier, quoted, 148, 149.
 on schools of Holland, 507, 607.
 Cypher, derivation of word, 171.
- Czour-Vedam, quoted, 10
- Dalbey, quoted, 36.
 Death, significance and nature of, 12, 13, 15, 18, 21, 27, 34, 35, 36, 37.
 Decimal system, 177.
 Degrees, 588.
 Delinquencies, record of, 456.
 Derby, Conn., manual labor school at, 229, 248.
 Development, educational, 45, 52, 53.
 Diesterweg, quoted, 58, 171, 180.
 article by, 616.
 plan of instruction, 632.
 articles from *Wagner* by, 616, 633.
- Diet, 185.
 Digby, R., 349.
 Diogenes Laertius, 402.
 Diplomas, of agriculture, 567.
 of engineering, 589.
 Discipline in schools, 457, 616, 620.
 belongs to didactics, 457, 616.
 true spirit of, 617.
 modes of, 456, 617.
 military, 667.
- Doederlein, quoted, 59.
 on school discipline, 621.
 Donations to educational objects in Boston, 524.
 Dorothea School, Berlin, 446.
 Drawing, 361, 388, 439, 448.
 and geography, 122.
 Dunmanway, 577.
 Duty, Kant on, 28.
- Ecclesiastical authority as to schools, 348, 606.
 Education, adult, 230, 255.
 aphorisms on, 7.
 commercial, 671, 673.
 capacity for, 42, 73.
 defined, 630.
 grades of, three, 25.
 Gray's poem on, and government, 287.
 harmony in, 32.
 home, 28, 53, 65.
See Mother; Parents.
 ill success in, 61.
 importance of, 38, 42, 57.
 influence of, 39.
 irreligious, 220, 221.
 in justice, 40.
 literature of, progress of American, 319.
 moral, 51.
 mother in, 44.
 motives in, wrong, 222.
 to patriotism, 62.
 Pelagianism in, 219.
 physical, 75, 155.
 polytechnic, 66.
 precocious, 54.
 principles of, 45, 46, 52, 53, 59, 65.
 private and public, 42.
 progress in, should be what, 59.
 progress of development of, 216.
 public departments of in United States, 319.
 religious, 62, 72, 73, 216, 219. *See* Religious Educ.
 scope and aim of, 41, 43, 49, 51, 53, 57, 58, 59, 61, 63, 217.
 of senses, 208.
 value and substance of good, 26.
 Educational benefactions, of Boston, 522.
- Colet, dean, 269.
 Edward VI., 270.
 Elizabeth, Queen, 275.
 Goodman, dean, 275.
 Henry VI., 263.
 Lyon, J., 291.
 Moore, Sir J., 273.
 Sheriff, L., 278.
 Wilder, Rev. J., 265.
 William of Wykeham, 261.
- Educational Miscellany, 310.
 Edward VI. and Christ's Hospital, 270.
 Eischen, Ernst, 197, 198.

- Encyclopedia, French, quoted, 62.
 Endowed schools, English, 257.
 Bavarian, 494.
 Prussian, 423.
 Endurance, education to, 189.
 England, public or endowed schools of, 257.
 origin of these schools, 258.
 needs of the system, 260.
 Enlightenment, what, 48, 49, 50.
 Epictetus, quoted, 11, 42.
 Essay on fundamental impulses of reason, quoted 20.
 Eton college, 263.
 studies, in 1560, 263.
 expenses, in 1514, 263.
 pupils of, 266.
 Gray's ode to, 283.
 Euclid, as geometrical text-book, 155.
 Examination, in Bavarian gymnasium, 505.
 of teachers, in Bavaria, 507.
 " Belgium, 594.
 " Holland, 609.
 " polytechnic school, 668.
 Example, 44, 69, 79.
 Excursions by pupils, to workshops, scenery, &c., 459.
 Exercise. See Physical education.
 Factory children, Prussian, 418.
 " population, Akroyd on improving, 305.
 Family Lyceum, 323.
 Felbiger, 357.
 Female education, 619.
 " normal schools, 594.
 " teachers, Bavarian, 493.
 Fichte, quoted, 99, 192, 620.
 Foix, F., Count de Candalle, 161.
 Forestry, school of, 562, 564.
 Forster, quoted, 142.
 Fowle, W. B., 84.
 France, agricultural education in, 545.
 " polytechnic, 663.
 Francis, J. W., 331.
 Francke, A. H., 352.
 Franklin, Dr., his society for mutual improv., 251.
 Free school, subscription to, in Boston, 522.
 " " in Roxbury, 522.
 Freiberg, Werner's school of mineralogy at, 123.
 French language in German schools, 451, 455, 459, 503.
 French schools in Holland, 609, 615.
 Fries, quoted, 25.
 Friesen, F., 193, 197.
 Froebel, quoted, 57.
 Galen, quoted, 76.
 Garve, quoted, 56.
 Gents, quoted, 62.
 Goodey, 670.
 Geography, Thayer on, 81.
 memorizing in, 81.
 scope of study, 81, 118.
 methods in, 82, 112, 119.
 history with, 83.
 mathematical, how begun, 87.
 use of newspapers in, 88.
 Raumer on, 111.
 Pestalozzi on, 111.
 Rousseau on, 111.
 dialogue on, by Raumer, 111.
 traveling and, 113.
 and walks, 115.
 use of plans in, 115.
 use of maps in, 116.
 books on, faults of, 117.
 Raumer's text-books on, 118.
 drawing with, 122.
 German methods in, 390, 436, 451, 453.
 Dutch methods in, 613.
 Geology, Raumer on, 193.
 Werner's method in, 123.
 Holbrook's method in, 941.
 Geometry, 447, 451, 453.
 Raumer on, 155.
 and crystallography, 155, 166.
 Geometry, Euclid on text-books in, 155.
 beginning of teaching, 163.
 Pestalozzi's method, 166.
 Schmid's *Theory of Forms*, 163, 166.
 and algebra, 169.
 polytechnic schools of France, 600, 625.
 Germany, history of popular education in, 348.
 progress of normal schools, 257.
 cardinal features of school system, 358.
 course of study in primary schools, 371.
 testimony on schools and teachers, A. D. Bachs, 361.
 H. Mann, 361.
 Prof. C. E. Stowe, 368.
 Dr. E. Ryerson, 367.
 Dr. J. Kay, 366.
 Girls, high school for, Bavaria, 401.
 Gizas, quoted, 73.
 Glasnevin, agricultural school at, 571.
 Goethe, quoted, 20, 150, 162, 619, 648.
 Goodness, how cultivated, 48.
 Government, and education, poem by Gray on, 267.
 duty of to schools, 359, 599.
 Gracchi, mother of, 53.
 Gräfe, quoted, 56.
 Graser, quoted, 54, 58.
 Grammar schools, English, 257.
 Grand Jouan, agricultural schools at, 583.
 Grammann, on acoustics, 325.
 Gray, T., sketch of life, 263.
 Ode to Eton College, 285.
 Fragment of poem on education and government, 267.
 Greek language in Bavarian gymnasia, 502.
 Gregorius Strike-hard, 622.
 Greiling, quoted, 48.
 Grignon, agricultural school at, 555.
 Gracom, J., memoir of, 225.
 portrait, 321.
 as popular lecturer, 329.
 Philanthropic Society, 334.
 on prevention of pauperism, 335.
 juvenile crime, 337.
 New York House of Refuge, 337.
 monitorial High School, 338.
 on efficacy of right education, 345.
 recipe for small school, 346.
 Guerike, life of Francke, 352.
 Guilford, Nathan, memoir, 299.
 early life, 299.
 and Ohio school system, 299.
 and Cincinnati schools, 291.
 later life of, 294.
 Guts Muths, 191.
 on training the senses, 298.
 Gymnasium, natural science in, 125, 130.
 proper scope of, 127.
 Bavarian, 494, 497.
 Gymnastics, 189.
 Luther on, 190.
 Montaigne on, 190.
 Rousseau on, 190.
 Fichte on, 192.
 Jahn's method, 196.
 Hague, primary school at, 609.
 Hall, S. R., 234.
 Halle, orphan house at, 332.
 burgher school, 352.
 Halleck, quoted, 331.
 Haller, quoted, 22, 143.
 Hamann, on the reason, 223.
 Hamilton, Sir W., quoted, 413.
 Hand, Dr., on aesthetics of music, 636.
 Hanke, parable from, 8.
 Happiness, education should give, 78.
 Hardiness, education to, 189.
 Harriach, quoted, 58.
 on Turning, 207.
 plan of instruction by, 437.
 Harpe, La, lyceum of, 240.
 Harrow school, 281.
 Health, care of, 183.
 Hegel, quoted, 55.

- Hemsterhuis, quotes, 17.
 Henry VI., and Eton, 263.
 Hentzel, E., on teaching singing, 633.
 Herder, quoted, 17, 19, 33, 56.
 on music, 637.
 Hermann, on discipline, 622.
 Heydenreich, quoted, 21, 20, 40.
 Hickson, W. E., on Dutch and Ger. schools, 349, 367.
 Higher burgher school, 427, 492.
 Hippel, quoted, 72.
 History, with geography, 85.
 Raumer on, 101.
 scope of as taught, 101.
 methods in, 103.
 and religious teaching, 104.
 to begin with study of Bible, 105.
 sexes to study differently, 105.
 modern, where begun, 106.
 memorizing in, 107.
 difficulty of rules for, 107.
 kinds of text-books for, 108.
 how selected for children, 109.
 object of studying, 109.
 and biography, 109.
 and revelation, 110.
 and natural sciences, 109.
 in Prussian schools, 450, 451.
 in Bavarian schools, 503.
 Hitchcock, E., report on agricultural schools, 571.
 Hittopades, quoted, 10.
 Hohenheim, agricultural institute at, 564.
 Holbrook, Josiah, portrait, 1.
 memoir, 229.
 agricultural school at Derby, 229, 248.
 Mr. Coe's letter on, 229.
 mutual adult education, 230.
 lyceum at Millbury, 232.
 labors for American lyceum, 232, 241.
 American Institute of Instruction, 233.
 Scientific Tracts by, 233.
 Family Lyceum by, 233.
 and S. R. Hall, 234.
 lyceum villages, 235.
 school exchanges, 235, 246.
 plan of instruction for New York schools, 230.
 labor at Washington, 236, 242.
 death, 236, 246.
 Prof. Russell's Recollections of, 239.
 educational aims of, 240.
 Lowell lectures, 241.
 labors in Pennsylvania, 242.
 personal traits, 243.
 Rev. R. G. Northrup on, 244.
 S. S. Randall on, 245.
 Holland, constitution of, 600.
 primary schools in, 595.
 historical sketch of education in, 595.
 outline of system, 596.
 regulations on examining teachers, 601.
 school inspectors, 603.
 on primary schools, 605.
 religious instruction, 606.
 statistics of primary instruction, 1846, 608.
 primary school at the Hague, 609.
 Homburg, Mad. Tinette, on female education, 619.
 definition of education, 620.
 Home, education at, 36, 53.
 studies at, 627.
 See Parents.
 Hornbook, illustration of the, 310.
 described by Cowper, 312, 474.
 " Benson, 311.
 " Prior, 311.
 Hovey, C. E., memoir of, 94.
 portrait, 94.
 Hufeland, art of preserving life, 185.
 Illinois Normal University, 99.
 Illinois, Teacher, 99.
 Immortality, 11, 13, 15, 17, 25, 36, 37.
 Impartiality in the teacher, 621.
 Impulses of reason, quoted, 53.
 Indiana, senses of, 309.
 Inductive method, 437, 439, 499.
 Industrial instruction, 511, 588.
 Inspection of schools, Bavaria, 513.
 Belgium, 566.
 Holland, 600.
 Prussia, 407, 422.
 Institute of agriculture at Hohenheim, 564.
 Institute for teachers, 675.
 Instruction, defined, 62.
 of differing pupils, 143.
 in natural science, 123.
 in geography, 81, 111.
 in history, 101.
 botany, 146.
 geometry, 165.
 arithmetic, 170.
 Intuition. *See Senses.*
 physical, varieties of, 211.
 Intuitive method, in geography, 111.
 natural science, 123.
 geometry, 155, 156, 158.
 arithmetic, 173.
 Ireland, agricultural education in, 567.
 professorship of agricul. in Queen's college, 567.
 model farm at Glasnevin, 568.
 list of lectures " 575.
 model school, Dumanaway, 577.
 Iselin, quoted, 65.
 Jacobs, quoted, 36, 54, 55.
 Jahn, F. L., and gymnastics, 196.
 Jews, history of as study, 105.
 Junto, the, 251.
 Juvenile crime, origin of, 337.
 " criminals, institutions for in U. S., 339.
 Kant, quoted, 22, 48.
 Kay, Joseph, quoted, 396.
 Kepler, on Euclid, 159.
 Kirkpatrick, report on agricultural education, 568.
 Kirch, R., on instruction, 631.
 Klopstock, 634, 636.
 Klumpp, on Turning, 307.
 Knowledge, value of, 10.
 unity of, 36.
 Kocher, 636.
 Kohr, quoted, 46.
 Künen, on Turning, 307.
 Krause, quoted, 73.
 Krag, quoted, 23, 59.
 Laboratory of practical chemistry, 672.
 Landed proprietors, Prussian, 422.
 Language, and natural science, 139.
 technical terms in, 306.
 and grammar, 378.
 and composition, 381.
 time allowed in seminary, Berlin, 454.
 Larne, agricultural school at, 569, 576.
 Laspé, de, stimulus in school of, 181.
 Lateran, council of, 349.
 Latin, in German burgher school, 437, 447, 451, 459.
 Latin schools, in Holland, 609.
 Lectures, popular, 399.
 Leibnitz, quoted, 57, 156.
 Lesson plan, 623.
 rules for drawing, 623.
 Liberty of instruction, Belgium, 584.
 Libraries, Belgium, 591.
 Library, first at Philadelphia, 259.
 Liège, normal school at, 583.
 Life, significance and duties of, 9.
 Locke, quoted, 46.
 London, first Mechanics' Institution in, 253.
 St. Paul's school, 269.
 Christ's Hospital school, 270.
 Westminster school, 275.
 Lorenz, on Euclid, 156, 160.
 Lorinser, quoted, 187.
 Lowell lectures, origin of, 341.
 Lucian, quoted, 59.

- Luther, quoted, 15, 44, 66, 68, 78, 350, 635.
 letter to Elector of Saxony, 350.
 Lyceum, Holbrook's labors for, 320, 322.
 early American, 332.
 at Millbury, 232.
 Windham county, Conn., 232.
 meeting for, Boston, March, 1830, 233.
 Pennsylvania, 234.
 universal, 234.
 villages, 235.
 origin of term, 249.
 French, 249.
 first in London, 253.
 T. Claxton and, 253.
 Methuen, Mass., 253.
 Lycoming county, Penn., Holbrook in, 242.
 Lyons, council of, 249.
- Man, dignity and destiny of, 9, 472.
 traits of, distinctive, 14, 15, 18, 19, 20, 22, 24, 30, 33, 35.
 duties, 10, 11, 12, 20.
 constitution, 25, 60.
 education, 25.
 ultimate restoration of, 224.
 dominion over nature, 224.
 creative power of, 227.
 abuses of powers of, 227.
 Mann, H., quoted, 361, 362.
 Manual labor school, Derby, Conn., 229, 248.
 Manufacturing districts, Prussian, 416.
 " population, improvement of, 305.
 " health of, 193.
- Map drawing, 83, 84, 291.
 Maps, in relief, 80.
 in teaching geography, 116.
 Marie Louise Wilhelmine of Neuwied, quoted, 17.
 Marr, on singing, 638.
 Massachusetts' Charit. Mech. Association, 255.
 Massachusetts Teacher, 466.
 Mathematics. See Algebra, Arithmetic, Geometry.
 " 365.
 and natural science, 135.
 in German gymnasia, 179.
- Maud, D., early teacher in Boston, 522.
 May, Rev. S. J., 232.
 Mayence, synod of, 348.
 Mechanics and machines, 665, 669, 672.
 Mechanics' Institution, English, 250.
 first in London, 253.
- Meierotto, 191.
 Melancthon, quoted, 170.
 Memorizing, 81.
 in history, 107.
 Mendelssohn, Moses, quoted, 36, 42.
 Mental activity in German schools, 450.
 Mental arithmetic, 385, 459.
 Mena, quoted, 10.
 Method, importance of, 432, 611, 629.
 Methuen, Mass., lyceum at, 253.
 Middle schools, 413.
 Military art, 670.
 " disciplines, 667.
 " schools, 590.
- Millbury, Mass., and J. Holbrook, 233.
 Mills, S. P., 461, 464.
 Mind, character of, 9.
 and body contrasted, 200.
 development of, 218.
 Mineralogy. See Crystallography; Geology.
 growth of, 125.
 what specimens needed for, 126.
 enjoyed by pupils, 125.
 Werner's instruction in, 137.
 use of collections in, 133.
- Mixed schools, 421.
 Model farm schools, 546.
 Monitorial school, New York, 338.
 " instruction, 429, 505, 612.
- Mönnich, quoted, 207.
 Montaigne, quoted, 43, 46.
 Monticula, on Euclid, 156, 157, 161.
- Moore, Ira, 100.
 Morris, quoted, 24.
 Moscherosch, quoted, 70.
 Müser, J., quoted, 214.
 Mother. See Home education; Parents.
 duties of, 67, 75.
 Mother tongue, in German schools, 450, 492.
 Multiplication table, 171.
 Museum of practical sciences, 672.
 Music, varying sensibilities to, 211, 634.
 vocal, article on, 633.
 " in Prussian schools, 306.
- Muzonius, quoted, 14.
 Mutual adult instruction, 231.
 Mythology, and religion, 475.
- Nabbe, quoted, 37.
 Nägeli, on music, 638.
 Natrop, on study of music, 638.
 Natural history, how taught, 374, 451, 453.
 in agricultural schools, 565.
 Natural sciences. See Botany; Geography; Geology; Mineralogy; Zoology.
 Raumer on teaching, 123.
 extent and difficulty of subject, 125.
 study of in gymnasium, 125, 128, 130.
 and languages, 129.
 and history, 129.
 how far to study, 130.
 how to begin, 131.
 regard to beauty in studying, 133.
 and mathematics, 135.
 fixed nomenclature in, 142.
 proper spirit for studying, 147.
 mysteries in, 147.
 how far understood, 148, 149.
 religious influences of, 150, 152.
 laws of, what, 151.
 J. Holbrook's views on, 220, 237, 240, 244, 245.
- Nature, 224, 292, 459.
 Newspapers, in geography, 68.
 Newton, quoted, 148.
 New York city, Holbrook in, 235.
 plan of instruction for, 236.
 Nicholls, G., on schools of Holland, 508.
 Niemeyer, quoted, 52, 56, 61, 67, 70.
 Nissen, H., article by, 295.
 Nobility, true, 12.
 Nomenclature, fixed, 142.
 Normal school, Illinois, 99.
 first in Germany, 357.
 Prussian, 357.
 Austrian, 357.
 Belgian, 503.
 Holland, 610.
- Normal schools and training, value of, 361.
 Norway, public instruction in, 205.
 primary schools, 295.
 stationary and itinerant schools, 206.
 town schools, 297.
 legal course of study, 208.
 appropriations, 209.
 inspection, 209.
 character of people, 300.
 burgher and real schools, 301.
 Latin schools, 301.
 asylums and special schools, 303.
- Notation, arithmetical, systems of, 177.
 " musical, 64.
- Obedience, Pythagoras on, 42.
 how secured by parents, 65.
 Observation, how cultivated, 322.
 Ohio, lyceums in, 235.
 N. Guilford and schools of, 290.
 Oken, on Turning, 203.
 Oral instruction, 372, 382.
 Orphans, houses for, 354, 434, 437, 521.
 Oxford, (Eng.), eminent graduates of, 313.
- Painter, creative power of, 227.
 Parents, duties of, 65, 75.

- Parents, duties of to schools, in Prussia, 417.
 Paris, museum and lyceum at, 249.
 conservatoire, 249.
 polytechnic school, 663.
 Pasmow, on Turning, 306.
 Patience, 618.
 Patriotism, education in, 62.
 Pattern or model school, 351.
 Pauperism, prevention of, 384.
 causes of, 334.
 Pedagogics, developed by Normal Schools, 309.
 Peisaglanism, in education, 319.
 Pennsylvania, lyceums in, 334.
 Peoria, C. E. Hovey at, 96.
 boys' school at, 97.
 school movement in, 97.
 Perceptive faculties, culture of, 322, 612.
 Perfectibility, 17.
 Periodicals, educational, 368.
 Perians, mental training of, 49.
 Persius, quoted, 14.
 Pestalozzi, 50, 356, 405.
 on teaching geography, 111.
 error, as to botany, 132.
 geometrical teaching of, 106.
 on arithmetic, 172.
 physical training, 192.
 intitutional exercises of, 212.
 Peurbach, George, arithmetic of, 170.
 Philadelphia, Dr. Franklin's "Junto" at, 351.
 first library at, 252.
 Philanthropic Society, 335.
 Philanthropium, 191.
 Philemon, quoted, 14.
 Philo, quoted, 51.
 Phonic method of teaching reading, 453.
 Physical education, 400, 506.
 Raumer on, 185.
 aphorisms on, 75.
 care of health, 185.
 diet, 185.
 clothing, 185.
 sleep, 185.
 secret vices, 186.
 overwork, 187.
 bodily endurance, 189.
 traveling on foot, 189.
 gymnastics, 189.
 Luther on, 190.
 Fichte on, 192.
 manufacturing and, 193.
 fashion and, 194.
 Jahn's method, 196.
 Physical geography, 460.
 Physics, 665, 669.
 in Bavaria, 504.
 Pietists, 357.
 Pilâtre de Rosier, 249.
 Plan of instruction, 623, 628.
 as to classes, 625.
 studies in school, 448, 451, 456, 626.
 " at home, 627.
 books, 629.
 methods, 630.
 details of manner, 631.
 Plans, in geography, 115.
 Plato, quoted, 11, 43, 76, 77, 78, 472.
 Plantus, quoted, 65.
 Play-grounds, 438.
 Plutarch, quoted, 39, 42, 65, 76.
 Poet, creative power of, 226.
 Polytechnic schools, 661.
 in Paris, 661.
 Vienna, 670.
 Poor schools, Holland, 609.
 Portraits, J. Holbrook, 1.
 C. E. Hovey, 94.
 J. Griscom, 321.
 T. Sherwin, 461.
 W. H. Wells, 529.
 Position of teacher in school, 617.
 Potsdam, higher burgher school at, 457.
 Practical science, museum of, 672.
 Praise, effects of, 618.
 Precocity, 48, 54, 75.
 Primary schools, Belgium, 586.
 Germany, 371.
 Holland, 601, 605.
 Norway, 265.
 Primer's spelling-board, 612.
 Printing, discovery of, and schools, 349.
 Private, or family schools, 486, 496.
 Private, in Prussia, 425.
 Private teaching, 406.
 Prizes in Bavaria, 506.
 Proclus, on Euclid, 159.
 Prussia, turning system in, 196.
 public instruction in, 403.
 primary schools, history of, 403.
 organization of, 403, 407.
 cardinal principles, 408.
 statistics, 410, 417.
 progress, 411.
 subjects and methods of instruction, 371, 413.
 grades of schools, 413, 426.
 complete elementary school, 414.
 burgher school, 415.
 higher town school, 415, 426.
 when people of one confession, 420.
 " different confession, 420.
 mixed schools, 420.
 duties of school committees, 418.
 " village committees, 421.
 " town committees, 423.
 school-houses, 420.
 endowed schools, 427.
 Paellus, on Euclid, 161.
 Public schools, English, 257, 476.
 Punctuality, 617.
 Punishment of minors, right of, 619.
 not often necessary, 619.
 when deserved, 621.
 Pupils, varying characters of, 143.
 how show readiness to answer, 617.
 position in recitation, 618.
 success as well as failure, to be recognized, 618.
 should study in the school, 618.
 how leave school, 618.
 Pythagoras, quoted, 11, 12, 38, 43.
 Pythagorean problem, 164.
 Qualifications of teachers, 359, 591, 596.
 Queen's college, Ireland, 567.
 Quiet in school hours, 617.
 Quintilian, quoted, 39, 42, 74, 75.
 Ramus, on Euclid, 159.
 Randall, S. S., on J. Holbrook, 245.
 Ratich, on over-study, 187.
 Raumer, K. von, articles by, 101, 111, 123, 153, 170, 185, 216.
 dialogue on geography, 111.
 studies of geology by, 124.
 professor of natural history and mineralogy, 124.
 on Turning, 207.
 Reading, how taught in German schools, 372, 436, 451.
 in Holland, 612.
 Reading board, in primary schools, 445, 612.
 Reading cards, 373.
 Real schools, 509.
 Bavarian, history of, 509.
 Realia, 378, 413.
 Reason as a guide, 11, 223.
 Records, R., 314.
 Rector, in Bavarian gymnasium, 499.
 Reference books, 318.
 Reflection, Pythagoras on, 12.
 Refuge for juvenile criminals, 337.
 Regional school of agriculture, 547.
 Reichen, plan of schools for Berlin, 440.
 Reinhard, P. C., quoted, 63.
 Religious education, 62, 72, 73, 216, 217, 219.
 Religious instruction, and history, 103.
 in Bavaria, 501.

- Religious instruction in Holland, 606, 610, 614.
 Prussia, 379, 450, 456.
 Repetiteur, 664.
 Rescue institutions, in Bavaria, 519.
 Richter, J. F., quoted, 37, 50, 618.
 Ridley, Bishop, and Edward VI., 271.
 Rochow, canon of, 357.
 Rosenkranz, K., on music in pedagogy, 637.
 Rosier, founder of school of agriculture, 545.
 Roth, quoted, 214.
 Rotteck and Welcker, quoted, 60.
 Rousseau, J. J., on geography, 111.
 quoted, 68, 80, 207.
 a Pelagian, 219.
 Rückert, quoted, 73.
 Rugby school, 278.
 Rural architecture, instruction in, 554, 558.
 " legislation, " 561.
 " technology, " 562, 565.
 Russell, Prof. W., on J. Holbrook, 329.
 St. Paul's School, London, 269.
 Salaries of teachers, Bavarian gymnasia, 507.
 Holland, 506.
 Salzmann, 191.
 Scenery, effects of fine, 574.
 Scepticism, 27.
 Schelling, quoted, 35, 49.
 Scherer, quoted, 63.
 Schiller, quoted, 16, 20, 49.
 Schlenker, quoted, 17.
 Schmid, C. C. E., quoted, 49, 56.
 Schmid, J., Theory of Form, 165.
 Schmidt, K., quoted, 52.
 Schnell, K. F., on school discipline, 623.
 Schneuber, quoted, 47.
 School age, Norway, 295.
 architecture, Ann Arbor, 61.
 exchanges, Holbrook and, 235.
 days, and life, remembrance of, 477.
 should be agreeable, 90, 188.
 houses, Germania, 371, 385, 400.
 " Prussia, 420.
 overwork in, 187.
 system, Norway, 295.
 and teacher in literature, 283.
 year, 506.
 School architecture, 679.
 Schoolmaster and teacher, 617.
 Schools, English endowed, 257.
 English monastic, 260.
 itinerant, Norway, 296.
 district, " 297.
 special. See Special Schools.
 Schottin, quoted, 30.
 Schubert, quoted, 27.
 Schulz, 680.
 Schwabe, quoted, 73.
 Schwartz, quoted, 34, 53.
 Science, and art, educational connection of, 134.
 popular associations for, 241.
 in Berlin higher schools, 454.
 Scientific Tracts, 233.
 Sears, B., life of Luther, 351.
 Secondary education in Bavaria, 491.
 Belgium, 587.
 Self-improvement, a Chinese sentiment on, 11.
 Self-reliance, 450, 542.
 Seneca, quoted, 12, 15, 38, 42, 61, 68.
 Senses. See Intuition.
 torpid from city life, 144.
 training of, 207.
 Seton, S. W., 235, 236.
 Sexes, study of history by different, 105.
 Sheriff, L., and Rugby, 278.
 Sherwin, T., memoir, 461.
 portrait, 461.
 Simcoe, plan of new school-house, 679.
 Simonides, quoted, 14.
 Singing, article on, by Hentschel, 633.
 defined, 633.
 character and importance, 636.
 Singing, formal and substantial use of, 638.
 to what extent taught to all, 640.
 notation of should be taught, 641.
 with full voice, 644.
 with accompaniment, 644.
 by beat, 644.
 elementary course in, 646.
 singing course, 648.
 choral, 651.
 solo, 651.
 German schools, 453.
 Singing, plan for, in schools of three classes, 633.
 rules for practice, 637.
 Sleep, 186.
 Sluymer, J. F., on plan of instruction, 631.
 Smith, Dr., on Franklin's " Junto," 232.
 Smith, J. V. C., 233.
 Social influence of good public schools, 431.
 Society for diffusion of useful knowledge, 250.
 at Boston, 242.
 Society for mutual adult education, plan, 231.
 Society for public good, Holland, 505.
 Socrates, quoted, 77.
 Solon, quoted, 76.
 Songs, school, to be beautiful and appropriate, 630.
 Special schools, 588, 608, 673.
 artillery and engineers, 668.
 mines, 668.
 roads and bridges, 668.
 Starke, quoted, 34.
 Stars, number of known, 125.
 State and education, 348, 358, 416, 509.
 Statistics of schools, Bavaria, 497, 521.
 Belgium, 529.
 Holland, 608.
 Prussia, 410.
 Steffens, on Turning, 206.
 Stephens, quoted, 368.
 Stimulation to study, 179.
 by diet, company, &c., 186.
 Stowe, C. E., report on education in Germany, 371.
 Story, quoted, 59.
 Studies, distribution of, 130.
 interest in, 90, 132, 188.
 stimulation to, 179, 189.
 excessive, 187.
 distribution of, 188, 624.
 course of, Eton, A. D., 1560, 365.
 in reference to teachers, 624.
 for home, 627.
 Sturm, fault of, 137.
 Subscriptions, charitable, in Boston, 522.
 Superior primary schools, Belgium, 587.
 Prussia, 415, 436.
 Supervision. See Inspection.
 Symbols, natural and artificial, 113.
 Talent, marks of, 73.
 varieties of, 145.
 Taxation for schools, 408, 587, 596.
 Teacher, letters to young, 81.
 duties of, 65.
 vocation of, 217.
 a disciplinarian, 617.
 show pupils how to study, 627.
 have a method, 629.
 qualifications of, 599.
 Teachers, conferences, 592.
 examination for certificate, 507, 596, 601.
 inspection in school, 596, 603.
 visiting each others' schools, 368.
 for a particular study, 512.
 Teachers' Institute, 673.
 in Wisconsin, 673.
 Technical schools, Bavarian, 510, 515.
 Belgium, 590.
 Technical terms, 200, 214.
 Technology, in burgher schools, 468.
 Temperance, 185.
 Terentius, quoted, 14, 65.
 Tetens, quoted, 22.
 Text-books, kinds of historical, 108.

- Text-books, faults of geographical, 117.
 geometrical, 133.
 arithmetical, 170.
 who should select, 430, 516, 611, 629.
 publication of, 504, 611.
- Thaer, A., 197.
- Thayer, G. F., article by, 81.
- Theano, quoted, 43.
- Thinking exercises, 376, 392, 432.
- Time, distribution of, in Polytechnic school, 608.
- Prussian schools, 371, 430, 454, 456, 432.
- Tirocinium, or Review of Schools, by Cowper, 472.
- Tischer, quoted, 52.
- Tobacco, 183.
- Topography, 667.
- Town schools, 427.
- Traveling, and geography, 113.
 on foot, 180.
- Tripes, 313.
- Tschuchi, quoted, 10.
- Tuition fee, Holland, 306, 307.
 Prussia, 462.
 Bavaria, 492, 498.
- Turners, costume of, 186
 exercises, 180.
- Jahn and, 196.
 sketch of rise of, 196.
 works on, 307.
- Union Public School, plans, 81.
- University honors, English, 313.
- Us, a poem, quoted, 21.
- Vaison, council of, A. D. 529, 348.
- Valerius Maximus, quoted, 63.
- Van der Ende, 506.
- Vanity as educational motive, 234.
- Vancanson, 349.
- Veterinary school, France, 530.
 Belgium, 589, 591.
 museum, 551.
- Vica, secret, 166.
- Vienna, polytechnic institute of, 670.
- Viaer, on monitorial instruction, 594.
- Viola, in teaching singing, 456.
- Virginia, J. Holbrook's labors in, 346.
- Virtue, excellence of, 10, 11.
- Vogel, Dr., on burgher schools in Leipzig, 302, 632.
- Vose, quoted, 25, 48.
- Walcott, M., quoted, 392.
- Walks, in studying geography, 115.
- Weikard, quoted, 50.
- Weiland, quoted, 51.
- Wells, W. H., memoir of, 529.
 portrait, 525.
- Werner, school at Freiberg, 123.
 instruction by in mineralogy, 137, 166.
- Westchester, N. Y., lycæum village at, 235.
- Westminster school, 375.
- Wichern, on music at Raube Haus, 648.
- Wickedness, and error, 222.
 results of, 230, 231.
- Winchester College, 261.
- Wirttemberg, agricultural school in, 564.
- Wisconsin, Teachers' Institute in, 673.
- Wohlfarth, J. F. T., educational aphorisms from, 7.
- Wolf, quoted, 156.
- Workhouse agricultural school, 578.
- Writing, taught in Germany, 374, 389, 430, 432, 456.
 in Holland, 613.
 and reading, 436, 456.
 and drawing, 368.
- Wykeham, William of, 261.
- Xenophon on moral training, 46.
- Year, the school, Bavaria, 506.
- Young, T., quoted, 97, 236.
- Young children, character of, 46.
 See Education; Physical education
 effect of neglect on, 66.
 exercises for, 372, 392, 611.
 in factories, 418.
- Zeller, C. A., 403.
- Zero, derivation of word, 171.
- Zollkoffer, quoted, 36.
- Zoology, extension of field of, 125.
- Zootechny, 547.
- Zoroaster, quoted, 11.
- Zoshokke, quoted, 21, 30, 33, 51.

